Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PATE	· St	ubstitute t						,			
APPLICATION AS FILED - (Column 1)		PART I (Column 2)		SMALL ENTITY		ITY	OR	OTHER THAN SMALL ENTITY			
. FOR .	NUMBER	FILEO	NUMBER E	EXTRA	RATE (\$	)   [	EE (\$)		RATE (\$)		FEE (\$)
ASIC FEE 17 CFR 1.16(a), (b), or (c		,									
EARCH FEE	1 .	<del></del>					•	- {			
7 CFR 1.16(k), (i), or (m XAMINATION FEE, 17 CFR 1.16(o), (p), or (c											
OTAL CLAIMS 37 CFR 1.16(i))		minus 20 =			*	=		OR	x	=	
NDEPENDENT CLAS	MS	minus 3			×	=			x	=	
APPLICATION SIZE FEE (37 CFR 1.16(s))	sheets of p is \$250 (\$1 additional	aper, the 25 for sm 50 sheets	nd drawings ext application size hall entity) for ea or fraction ther 3) and 37 CFR	e fee due ach eof. See							
MULTIPLE DEPEND	ENT CLAIM PRESE	NT (37 CF	R 1.16(j))					l [			·
		zero entr	er "O" in column 2		TOTA	u			TOTAL	. [	
	ICATION AS A		D – PART II		•	1611 6	atity.	OR			THAN
APP Total	•	MENDE		(Column 3)  PRESENT EXTRA	•	(\$)	ADDI- TIONAL FEE (\$)	OR		ALL E	THAN ENTITY ADDI- TIONAL FEE (\$)
APP  Total (37 CFR 1.16(1))  Independent (32 CFR 1.16(h))	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT	MENDE Minus	D - PART II  (Column 2)  HIGHEST NUMBER PREVIOUSLY	(Column 3) PRESENT	SM	(\$)	ADDI- TIONAL		SM/ RATE (S	ALL E	ADDI- TIONAL
Total (37 CFR (.16(h)) Independent (37 CFR (.16(h)) Application Si	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  Tee Fee (37 CFR 1.1)	MENDE  Minus  Minus  6(s))	D - PART II  (Column 2)  HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SM RATE X	(\$)	ADDI- TIONAL	OR OR	RATE (S	ALL E	ADDI- TIONAL
Total (37 CFR (.16(h)) Independent (37 CFR (.16(h)) Application Si	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT	MENDE  Minus  Minus  6(s))	D - PART II  (Column 2)  HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE  X  X  TOTAL	= =	ADDI- TIONAL	OR	RATE (S	ALL E	ADDI- TIONAL
Total W (37 CFR 1.16(1)) Independent (31 CFR 1.16(h)) Application Si	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  ZEE FEE (37 CFR 1.1)	MENDE  Minus  Minus  6(s))	D - PART II  (Column 2)  HIGHEST NUMBER PREVIOUSLY PAID FOR  NT CLAIM (37 CF	(Column 3) PRESENT EXTRA  PRESENT EXTRA	SM RATE X	= =	ADDI- TIONAL	OR OR	RATE (S	ALL E	ADDI- TIONAL
APP  Total (p7 cFR (.16(h))  Independent (p3 cFR (.16(h))  Application Si  FIRST PRESEN	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  Tee Fee (37 CFR 1.1)	MENDE  Minus  Minus  6(s))	Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR  (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3)  PRESENT EXTRA  R 1.16(j))  (Column 3)  PRESENT EXTRA	RATE  X  X  TOTAL	= = = FEE	ADDI- TIONAL	OR OR	RATE (S	ALL E \$) ===================================	ADDI- TIONAL
Total (37 CFR 1.16(1)) Independent (31 CFR 1.16(h)) Application Si FIRST PRESEN	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS (Column 1)  CLAIMS REMAINING AFTER	MENDE  Minus  Minus  6(s))	Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR  NT CLAIM (37 CF  (Column 2) HIGHEST NUMBER PREVIOUSLY	(Column 3)  PRESENT EXTRA  R 1.16(j))  (Column 3)  PRESENT	RATE  X  X  TOTAL ADD'L	= = = FEE	ADDI- TIONAL FEE (\$)	OR OR	RATE (S	ALL E \$) ===================================	ADDI- TIONAL FEE (\$)  ".  ADDI- TIONAL
Total (37 CFR 1.16(1)) Independent (31 CFR 1.16(h)) Application Si FIRST PRESEN	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  (Column 1)  (Column 1)  CLAIMS REMAINING AFTER AMENDMENT	MENDE  Minus  Minus  6(s))  E DEPENDE	Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR  (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3)  PRESENT EXTRA  R 1.16(j))  (Column 3)  PRESENT EXTRA	RATE  X  X  TOTAL ADD'L	(\$) = = FEE	ADDI- TIONAL FEE (\$)	OR OR OR	X X X TOTAL ADD'L FE	ALL E \$)  = = (\$)	ADDI- TIONAL FEE (\$)  ".  ADDI- TIONAL
Total (37 CFR 1.16(h))  WO Application Si FIRST PRESENT  Total (37 CFR 1.16(h))  U Total (37 CFR 1.16(h))  U Independent (37 CFR 1.16(h))	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS (Column 1)  CLAIMS REMAINING AFTER AMENDMENT  CLAIMS REMAINING AFTER AMENDMENT	MENDE  Minus  Minus  6(s))  DEPENDE  Minus  Minus	Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR  (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3)  PRESENT EXTRA  R 1.16(j))  (Column 3)  PRESENT EXTRA	RATE  X  X  TOTAL ADD'L  RATE	(\$) = = FEE	ADDI- TIONAL FEE (\$)	OR OR OR	RATE (S	ALL E	ADDI- TIONAL FEE (\$)  ".  ADDI- TIONAL FEE (\$)
Total (p2 cFR 1.16(n))  Application Si  FIRST PRESENT  Total (p2 cFR 1.16(n))  Application Si  FIRST PRESENT  Total (p2 cFR 1.16(n))  Application Si  Application Si	(Column 1)  CLAIMS REMAINING AFTER AMENDMENT  (COLUMN 1)  CLAIMS REMAINING AFTER AMENDMENT  .	MENDE  Minus  Minus  Minus  Minus  Minus  Minus	Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR  NT CLAIM (37 CF  (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3)  PRESENT EXTRA  R 1.16(j))  (Column 3)  PRESENT EXTRA  = =	RATE  X  X  TOTAL ADD'L  RATE	(\$) = = FEE	ADDI- TIONAL FEE (\$)	OR OR OR	RATE (S	ALL E	ADDI- TIONAL FEE (\$)  ".  ADDI- TIONAL

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. The 'Highest Number Previously Paid For' (1 otal or Independent) is the highest number found in the appropriate box in column 1.

This collection of Information is required by 37 CFR 1.16. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.